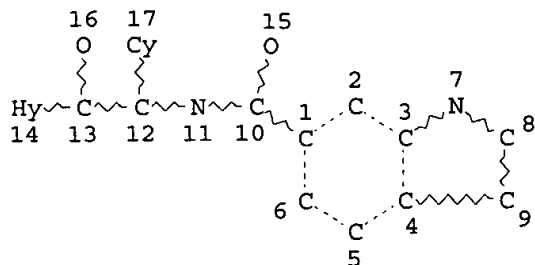


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NUMBER OF NODES IS 17

STEREO ATTRIBUTES: NONE

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164 ANSWERS

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

148.95

149.16

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FILE COVERS 1907 - 28 Jan 2003 VOL 138 ISS 5

FILE LAST UPDATED: 27 Jan 2003 (20030127/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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L4 6 L3

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L4 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2003 ACS

AN 2002:964343 CAPLUS

DN 138:29109

TI Preparation of crystal forms of antithrombotic piperazine derivative

IN Engel, Gary Lowell; Diserod, Benjamin Alan

PA Eli Lilly and Company, USA

SO PCT Int. Appl., 19 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 13

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002100847	A2	20021219	WO 2002-US16569	20020606
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	WO 2001096323	A1	20011220	WO 2001-GB2553	20010612
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PRAI	WO 2001-GB2553	W	20010612		
	US 2001-339295P	P	20011212		
	WO 2000-GB2302	W	20000613		
	GB 2000-30304	A	20001213		

L4 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2003 ACS

AN 2001:923784 CAPLUS

DN 136:54020

TI Preparation of amino acid derivatives as serine protease inhibitors

IN Liebeschuetz, John Walter; Murray, Christopher William; Young, Stephen

Clinton; Camp, Nicholas Paul; Jones, Stuart Donald; Wylie, William

Alexander; Masters, John Joseph; Wiley, Michael Robert; Sheehan, Scott

Martin; Engel, David Birenbaum; Watson, Brian Morgan; Guzzo, Peter Robert;

Mayer, Michael John

PA Eli Lilly and Company, USA

SO PCT Int. Appl., 191 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 13

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2000076971 A2 20001221 WO 2000-GB2302 20000613  
WO 2000076971 A3 20010802  
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WO 2002100847 A2 20021219 WO 2002-US16569 20020606  
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PRAI WO 2000-GB2302 W 20000613  
GB 2000-30304 A 20001213  
GB 1999-13823 A 19990614  
US 1999-142064P P 19990702  
GB 1999-18741 A 19990809  
GB 1999-29553 A 19991214  
WO 2001-GB2553 W 20010612  
US 2001-339295P P 20011212

OS MARPAT 136:54020

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2003 ACS

AN 2001:923766 CAPLUS

DN 136:54019

TI Preparation of amino acid derivatives as serine protease inhibitors  
IN Liebeschuetz, John Walter; Murray, Christopher William; Young, Stephen  
Clinton; Camp, Nicholas Paul; Jones, Stuart Donald; Wylie, William  
Alexander; Masters, John Joseph; Wiley, Michael Robert; Sheehan, Scott  
Martin; Engel, David Birenbaum; Watson, Brian Morgan

PA Eli Lilly and Company, USA

SO PCT Int. Appl., 120 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 13

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001096304	A1	20011220	WO 2001-GB2572	20010612
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 RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US,  
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 BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

WO 2000076971 A2 20001221 WO 2000-GB2302 20000613  
 WO 2000076971 A3 20010802

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR,  
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 SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU,  
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
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 CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 2002151724 A1 20021017 US 2002-30186 20020204

PRAI WO 2000-GB2302 W 20000613  
 GB 2000-30306 A 20001213  
 GB 1999-13823 A 19990614  
 US 1999-142064P P 19990702  
 GB 1999-18741 A 19990809  
 GB 1999-29553 A 19991214  
 WO 2001-GB2572 W 20010612

OS MARPAT 136:54019

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2003 ACS

AN 2001:923758 CAPLUS

DN 136:37946

TI Preparation of amino acid derivatives as serine protease inhibitors

IN Liebeschuetz, John Walter; Murray, Christopher William; Young, Stephen  
 Clinton; Camp, Nicholas Paul; Jones, Stuart Donald; Wylie, William  
 Alexander; Masters, John Joseph; Wiley, Michael Robert; Sheehan, Scott  
 Martin; Engel, David Birenbaum; Watson, Brian Morgan

PA Eli Lilly and Company, USA

SO PCT Int. Appl., 142 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 13

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001096296	A1	20011220	WO 2001-GB2541	20010612
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	WO 2000076971	A3	20010802		
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 CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRAI WO 2000-GB2302 W 20000613  
 GB 2000-30303 A 20001213  
 GB 1999-13823 A 19990614  
 US 1999-142064P P 19990702  
 GB 1999-18741 A 19990809  
 GB 1999-29553 A 19991214

OS MARPAT 136:37946

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2003 ACS

AN 2000:900614 CAPLUS

DN 134:56958

TI Preparation of amino acid derivatives as serine protease inhibitors

IN Liebeschuetz, John Walter; Lyons, Amanda Jane; Murray, Christopher  
 William; Rimmer, Andrew David; Young, Stephen Clinton; Camp, Nicholas  
 Paul; Jones, Stuart Donald; Morgan, Phillip John; Richards, Simon James;  
 Wylie, William Alexander; Masters, John Joseph; Wiley, Michael Robert

PA Eli Lilly and Company, USA; Protherics Molecular Design Limited

SO PCT Int. Appl., 261 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 13

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WO 2001096323 A1 20011220 WO 2001-GB2553 20010612

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WO 2001096304 A1 20011220 WO 2001-GB2572 20010612

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US 2002151724 A1 20021017 US 2002-30186 20020204

PRAI GB 1999-13823 A 19990614

US 1999-142064P P 19990702

GB 1999-18741 A 19990809

GB 1999-29553 A 19991214

WO 2000-GB2302 W 20000613

GB 2000-30303 A 20001213

GB 2000-30304 A 20001213

GB 2000-30305 A 20001213

GB 2000-30306 A 20001213

WO 2001-GB2572 W 20010612

OS MARPAT 134:56958

L4 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2003 ACS

AN 2000:900613 CAPLUS

DN 134:56957

TI Preparation of amino acid derivatives as serine protease inhibitors

IN Liebeschuetz, John Walter; Lyons, Amanda Jane; Murray, Christopher  
 William; Rimmer, Andrew David; Young, Stephen Clinton; Camp, Nicholas  
 Paul; Jones, Stuart Donald; Morgan, Phillip John; Richards, Simon James;  
 Wylie, William Alexander; Lively, Sarah Elizabeth; Harrison, Martin James;  
 Waszkowycz, Bohdan; Masters, John Joseph; Wiley, Michael John

PA Eli Lilly and Company, USA; Protherics Molecular Design Limited

SO PCT Int. Appl., 350 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 13

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000076970	A2	20001221	WO 2000-GB2296	20000613
	WO 2000076970	A3	20010719		
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EP 1192135 A2 20020403 EP 2000-938912 20000613

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PRAI	GB 1999-13823	A	19990614
	US 1999-142064P	P	19990702
	GB 1999-18741	A	19990809
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	WO 2000-GB2296	W	20000613

OS MARPAT 134:56957

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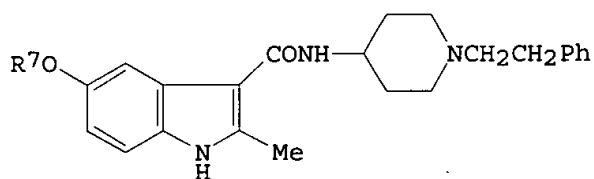
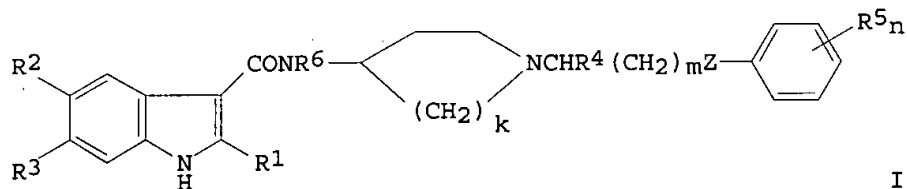
FILE 'CAPLUS' ENTERED AT 17:12:57 ON 28 JAN 2003

L1	1 S (SERINE(L) PROTEASE) (L) (INDOL? (L) PIPERIDIN?)
L2	0 S RDG(L) (INDOL? (L) PIPERIDIN?)
L3	39 S (?COAGULA? OR ?THROMBO? OR AGGREGA?) (L) (INDOL? (L) PIPERIDIN?)
L4	29 S L3 AND PY<2000
L5	14 S L4 AND P/DT
L6	15 S L4 NOT L5



AN 1986:5787 CAPLUS  
 DN 104:5787  
 TI 3-Indolecarboxamide compounds  
 IN Tahara, Tetsuya; Ikebe, Tsuguo; Maruyama, Yutaka; Yaoka, Osamu; Miura, Yohji  
 PA Yoshitomi Pharmaceutical Industries, Ltd. , Japan  
 SO Eur. Pat. Appl., 24 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 150505	A2	19850807	EP 1984-116372	19841227 <--
	EP 150505	A3	19850821		
	EP 150505	B1	19870401		
	R: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE				
	JP 60142981	A2	19850729	JP 1983-251149	19831228 <--
	JP 64000396	B4	19890106		
	US 4581355	A	19860408	US 1984-680727	19841212 <--
	CA 1230600	A1	19871222	CA 1984-470179	19841214 <--
	ES 539123	A1	19860316	ES 1984-539123	19841227 <--
	AT 26273	E	19870415	AT 1984-116372	19841227 <--
PRAI	JP 1983-251149		19831228		
	EP 1984-116372		19841227		
OS	CASREACT 104:5787				
GI					



AB N-Heterocyclylindolecarboxamides I (R1,R4,R6 = H, alkyl; R2,R3 = H, alkyl, alkoxy, alkanoyloxy, OH, halo; R5 = H, halo, Z = O, S, bond; n = 1,2; m, k = 1-3) were prepd. Thus, 5-acetoxy-2-methylindole-3-carboxylic acid was converted to its acid chloride and treated with 4-amino-1-phenethylpiperidine to give carboxamide II (R7 = Ac). This was sapond. to give II (R7 = OH) (III). III inhibits 5-lipoxygenase with an IC50 of 0.44 .mu.M and I are more effective cardiotonics than ouabain.

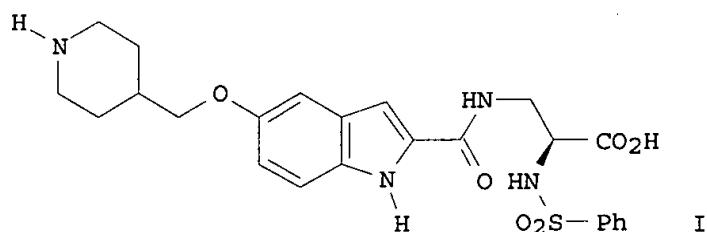
AN 1998:534886 CAPLUS  
 DN 129:148913  
 TI Preparation of 5-[(4-piperidinyloxy)methoxy]-2-indolecarbonyl-2(S)-phenylsulfonylamino-.beta.-alanine as a fibrinogen receptor antagonist  
 IN Hutchinson, John H.; Halczenko, Wasył  
 PA Merck and Co., Inc., USA  
 SO U.S., 10 pp.  
 CODEN: USXXAM

DT Patent  
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5789421	A	19980804	US 1996-735844	19961023 <--
PRAI	US 1996-735844		19961023		

GI



AB The title compd. 5-[(4-piperidinyloxy)methoxy]-2-indolecarbonyl-2(S)-phenylsulfonylamino-.beta.-alanine (I) was prepd. and formulated. The compd. is useful in inhibiting the binding of fibrinogen to blood platelets, inhibiting the aggregation of blood platelets, or treating or preventing thrombus or embolus formation. Thus, 5-hydroxyindole-2-carboxylic acid was converted to the Me ester, which underwent Mitsunobu etherification with N-Boc-4-piperidinylmethanol (DEAD, PPh<sub>3</sub>, in THF), followed by partial hydrolysis using LiOH.H<sub>2</sub>O, to give 5-[(4-N-Boc-piperidinyl)methoxy]-2-indolecarboxylic acid. This was condensed with Et 2(S)-[(phenylsulfonyl)amino]-3-aminopropionate.HCl in the presence of HOBT, NMM, and EDC in DMF, followed by deesterification and removal of the Boc group, to give I. In a platelet aggregation test in monkeys, I was nearly twice as potent as the analog with a piperidinyloxy group instead of a piperidinylmethoxy group.

RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

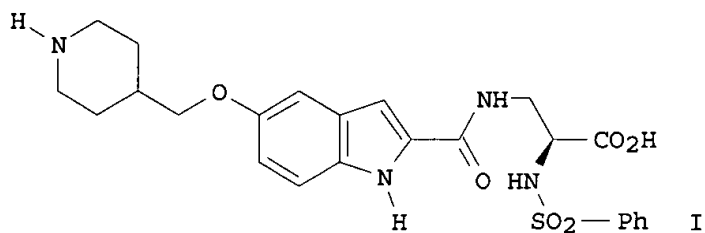
L5 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2003 ACS  
 AN 1997:389217 CAPLUS  
 DN 127:5015  
 TI Preparation of 5-[(4-piperidinyloxy)methoxy]-2-indolecarbonyl-2(S)-phenylsulfonylamino-.beta.-alanine as fibrinogen receptor antagonist  
 IN Hutchinson, John H.; Halczenko, Wasył  
 PA Merck and Co., Inc., USA; Hutchinson, John H.; Halczenko, Wasył  
 SO PCT Int. Appl., 33 pp.  
 CODEN: PIXXD2

DT Patent  
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

PI WO 9715568 A1 19970501 WO 1996-US16882 19961022 <--  
 W: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, HU,  
 IL, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX,  
 NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, US, UZ, VN,  
 AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR,  
 IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML,  
 MR, NE, SN, TD, TG  
 CA 2233861 AA 19970501 CA 1996-2233861 19961022 <--  
 AU 9674640 A1 19970515 AU 1996-74640 19961022 <--  
 AU 702025 B2 19990211  
 EP 863893 A1 19980916 EP 1996-936810 19961022 <--  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI  
 JP 11513980 T2 19991130 JP 1996-516710 19961022 <--  
 ZA 9608939 A 19970429 ZA 1996-8939 19961024 <--  
 PRAI US 1995-5890P P 19951026  
 GB 1996-3245 A 19960216  
 WO 1996-US16882 W 19961022  
 GI



AB 5-[(4-Piperidinyl)methoxy]-2-indolecarboxyl  
 -2(S)-phenylsulfonamino-.beta.-alanine (I), useful in inhibiting the  
 binding of fibrinogen to blood platelets, inhibiting the  
**aggregation** of blood platelets, treating thrombus formation or  
 embolus formation, or preventing thrombus or embolus formation in a  
 mammal, was prepd. and formulated. Thus, esterification of  
 5-hydroxyindole-2-carboxylic acid followed by reaction of the resulting Me  
 ester with N-Boc-4-piperidinylmethanol in the presence of DEAD  
 and PPh3 in THF, hydrolysis of the intermediate with LiOH.H2O, reaction of  
 5-[(4-N-Boc-piperidinyl)methoxy]-2-indolecarboxylic  
 acid with Et 2(S)-phenylsulfonamino-3-aminopropionate.HCl in the  
 presence of HOBT, NMM and EDC in DMF, deesterification and removal of the  
 BOC group afforded I which is effective at 0.005-10 mg/kg/day.